BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Restroration and Improvements of Balance roads of Chikkabettahalli Layout, Mahi Layout and Surrounding areas in Ward no -03. of Yelahanka Satellite Town Sub division

Estimation Cost.Rs 100000000.00

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
1	**Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No-27,I No-5.33)**								
	AMS Extension								
	2nd A Main Road (W0704A)	Sqm	2	85.80	0.90		154.44		
	1st A Main Road (W0688)	Sqm	1	64.00	0.90		57.60		
	AMS Layout								
	8th Cross Road (W1277)	Sqm	2	145.40	0.90		261.72		
	9th Cross Road (W1273)	Sqm	2	172.50	0.90		310.50		
	6th Cross Road (W1385)	Sqm	2	104.00	0.90		187.20		
	5th Cross Road (W1391)	Sqm	2	180.05	0.90		324.09		
	5th Main Road (W0718)	Sqm	2	89.40	0.90		160.92		
	6th Main Road (W0712)	Sqm	2	53.95	0.90		97.11		
	4th Main Road (W0852)								
	LHS	Sqm	1	49.30	0.90		44.37		
	RHS	Sqm	1	172.60	0.90		155.34		
	3rd Cross Road (W1397)	Sqm	2	75.50	0.90		135.90		
	2nd Cross Road (W1401)	Sqm	2	84.65	0.90		152.37		
	1st Cross Road (W1403)	Sqm	2	78.70	0.90		141.66		
	1st Main Road (W0874)	Sqm	2	172.20	0.90		309.96		
	Cross Road	Sqm	2	22.05	0.90		39.69		
	2nd Main Road (W0872)	Sqm	2	196.00	0.90		352.80		
	3rd Cross Road (W1397)	Sqm	2	50.50	0.90		90.90		
	7th A Cross Road (W1383)	Sqm	1	103.10	0.90		92.79		
	Regency School Road	Sqm	2	13.15	0.90		23.67		
	7th Cross Road (W1279)								
	RHS	Sqm	1	61.70	0.90		55.53		
	RHS	Sqm	1	200.30	0.90		180.27		
	LHS	Sqm	1	147.70	0.90		132.93		
	4th Main Road (W0832)	Sqm	2	41.90	0.90		75.42		
	Cross Road (W0846)	Sqm	2	39.90	0.90		71.82		
	Venugopal Layout								
	3rd Cross Road (W0868)	Sqm	2	122.65	0.90		220.77		
	5th Cross Road (W0864)	Sqm	2	93.05	0.90		167.49		
	Akashvani Layout								
	Main Road (W1407)	Sqm	2	202.45	0.90		364.41		
	Cross Road (W1409)	Sqm	1	33.00	0.90		29.70		
	1st Cross Road (W0862)	Sqm	2	108.20	0.90		194.76		
	Cross Road (W1405)	Sqm	2	17.95	0.90		32.22		
	Ayyanna Layout								
	3rd Cross Road (W0858)	Sqm	2	145.65	0.90		262.17		
	Muneshwara Layout								
	Cross Road 3	Sqm	2	46.05	0.90		82.89		
	Cross Road 5	Sqm	1	32.70	0.90		29.43		
					Total		4992.84		
	Deduct 80% for Missing/Damaged						3994.27		
	Consider 20% Qnty for Removing & Refixing						998.57		
	Basic rate	105							
	Area weightage 6%	6.3							
	Sub Total	111.3					998.57	111.30	111141.00
	Total								

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
2	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 (P.No.26, I.No.5.18 of PW,P&IWTD SR 2018-19)								
		Sqm		From Item No. 01			998.57		
	Basic rate	1495							
	Area weightage 6%	89.7							
	Sub Total	**1584.7**							
	Total						**998.57**	**1584.70**	**1582431.00**
3	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 8km lead= 57+2.0x1.28x8 =77.48								
	For Drain								
	Mahi Layout								
	1st Main Road (W0555)	Cum	2	120.85	1.20	0.90	261.04		
	Main Road	Cum	2	264.75	1.30	0.90	619.52		
	Connecting Road 2	Cum	2	11.00	1.20	0.90	23.76		
	Connecting Road 1	Cum	2	24.90	1.20	0.90	53.78		
	2nd Main Road (W0557)	Cum	2	103.20	1.30	0.95	254.90		
	3rd Main road	Cum	2	54.70	1.20	0.90	118.15		
	Cross Road 1	Cum	2	22.00	1.20	0.90	47.52		
	Cross Road 2	Cum	2	25.80	1.20	0.90	55.73		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	2	85.80	1.20	0.90	185.33		
	1st A Main Road (W0688)	Cum	1	64.00	1.20	0.90	69.12		
	AMS Layout								
	8th Cross Road (W1277)	Cum	2	145.40	1.20	0.90	314.06		
	9th Cross Road (W1273)	Cum	2	172.50	1.20	0.90	372.60		
	6th Cross Road (W1385)	Cum	2	104.00	1.20	0.90	224.64		
	5th Cross Road (W1391)	Cum	2	180.05	1.20	0.90	388.91		
	5th Main Road (W0718)	Cum	2	89.40	1.20	0.90	193.10		
	6th Main Road (W0712)	Cum	2	53.95	1.20	0.90	116.53		
	4th Main Road (W0852)								
	LHS	Cum	1	49.30	1.20	0.90	53.24		
	RHS	Cum	1	172.60	1.20	0.90	186.41		
	3rd Cross Road (W1397)	Cum	2	75.50	1.20	0.90	163.08		
	2nd Cross Road (W1401)	Cum	2	84.65	1.20	0.90	182.84		
	1st Cross Road (W1403)	Cum	2	78.70	1.20	0.90	169.99		
	1st Main Road (W0874)	Cum	2	172.20	1.20	0.90	371.95		
	Cross Road	Cum	2	22.05	1.20	0.90	47.63		
	2nd Main Road (W0872)	Cum	2	196.00	1.20	0.90	423.36		
	3rd Cross Road (W1397)	Cum	2	50.50	1.20	0.90	109.08		
	7th A Cross Road (W1383)	Cum	1	103.10	1.20	0.90	111.35		
	Regency School Road	Cum	2	13.15	1.20	0.90	28.40		
	7th Cross Road (W1279)								
	RHS	Cum	1	61.70	1.20	0.90	66.64		
	RHS	Cum	1	200.30	1.20	0.90	216.32		
	LHS	Cum	1	147.70	1.20	0.90	159.52		
	4th Main Road (W0832)	Cum	2	41.90	1.20	0.90	90.50		
	Cross Road (W0846)	Cum	2	39.90	1.20	0.90	86.18		
	Venugopal Layout								
	3rd Cross Road (W0868)	Cum	2	122.65	1.20	0.90	264.92		
	5th Cross Road (W0864)	Cum	2	93.05	1.28	0.90	214.78		
	Akashvani Layout								
	Main Road (W1407)	Cum	2	202.45	1.20	0.90	437.29		
	Cross Road (W1409)	Cum	1	33.00	1.20	0.90	35.64		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	1st Cross Road (W0862)	Cum	2	108.20	1.20	0.90	233.71		
	Cross Road (W1405)	Cum	2	17.95	1.20	0.90	38.77		
	Ayyanna Layout								
	3rd Cross Road (W0858)	Cum	2	145.65	1.20	0.90	314.60		
	Muneshwara Layout								
	Cross Road 1	Cum	1	206.30	1.20	0.90	222.80		
	Cross Road 2	Cum	2	38.20	1.20	0.90	82.51		
	Cross Road 3	Cum	2	46.05	1.20	0.90	99.47		
	Cross Road 4	Cum	2	50.30	1.20	0.90	108.65		
	Cross Road 5	Cum	1	32.70	1.20	0.90	35.32		
	Cross Road 6	Cum	1	86.10	1.20	0.90	92.99		
	For Culvert								
	Mahi Layout								
	Main Road								
		Cum	1	6.30	1.60	0.90	9.07		
		Cum	1	8.30	1.60	0.90	11.95		
	1st Main Road (W0555)	Cum	1	6.10	1.60	0.90	8.78		
		Cum	1	7.00	1.60	0.90	10.08		
	Connecting Road 2	Cum	1	5.80	1.60	0.90	8.35		
	AMS Layout								
	4th Main Road (W0852)	Cum	1	7.40	1.60	0.79	9.35		
	7th A Cross Road (W1383)	Cum	1	7.60	1.60	0.79	9.61		
	7th Cross Road (W1279)	Cum	1	7.30	1.60	0.79	9.23		
	5th Main Road (W1391)	Cum	1	4.80	1.60	0.79	6.07		
	3rd Cross Road	Cum	1	7.00	1.60	0.79	8.85		
	2nd Cross Road	Cum	1	7.30	1.60	0.79	9.23		
	4th Main Road (W1391)	Cum	1	7.20	1.90	0.79	10.83		
	6th Main Road (W1391)	Cum	1	4.30	1.90	0.79	6.48		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	7.30	1.60	0.80	9.35		
	Akashvani Layout								
	Main Road (W1407)	Cum	1	7.40	1.60	0.90	10.66		
		Cum	1	7.30	1.60	0.80	9.34		
		Cum	1	9.30	1.60	0.80	11.90		
		Cum	1	6.10	1.60	0.90	8.78		
		Cum	18	6.85	1.90	0.80	187.42		
	Basic rate	130							
	Area weightage 6%	7.8							
	8Km lead & Lift= 57+(2*1.28*8)	77.48							
	Sub Total	**215.28**							
	Total						**8302.02**	**215.28**	**1787259.00**
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3)								
	For Drain								
	Mahi Layout								
	1st Main Road (W0555)	Cum	2	120.85	1.20	0.15	43.51		
	Main Road	Cum	2	264.75	1.30	0.15	103.25		
	Connecting Road 2	Cum	2	11.00	1.20	0.15	3.96		
	Connecting Road 1	Cum	2	24.90	1.20	0.15	8.96		
	2nd Main Road (W0557)	Cum	2	103.20	1.30	0.15	40.25		
	3rd Main road	Cum	2	54.70	1.20	0.15	19.69		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Cross Road 1	Cum	2	22.00	1.20	0.15	7.92		
	Cross Road 2	Cum	2	25.80	1.20	0.15	9.29		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	2	85.80	1.20	0.15	30.89		
	1st A Main Road (W0688)	Cum	1	64.00	1.20	0.15	11.52		
	AMS Layout								
	8th Cross Road (W1277)	Cum	2	145.40	1.20	0.15	52.34		
	9th Cross Road (W1273)	Cum	2	172.50	1.20	0.15	62.10		
	6th Cross Road (W1385)	Cum	2	104.00	1.20	0.15	37.44		
	5th Cross Road (W1391)	Cum	2	180.05	1.20	0.15	64.82		
	5th Main Road (W0718)	Cum	2	89.40	1.20	0.15	32.18		
	6th Main Road (W0712)	Cum	2	53.95	1.20	0.15	19.42		
	4th Main Road (W0852)								
	LHS	Cum	1	49.30	1.20	0.15	8.87		
	RHS	Cum	1	172.60	1.20	0.15	31.07		
	3rd Cross Road (W1397)	Cum	2	75.50	1.20	0.15	27.18		
	2nd Cross Road (W1401)	Cum	2	84.65	1.20	0.15	30.47		
	1st Cross Road (W1403)	Cum	2	78.70	1.20	0.15	28.33		
	1st Main Road (W0874)	Cum	2	172.20	1.20	0.15	61.99		
	Cross Road	Cum	2	22.05	1.20	0.15	7.94		
	2nd Main Road (W0872)	Cum	2	196.00	1.20	0.15	70.56		
	3rd Cross Road (W1397)	Cum	2	50.50	1.20	0.15	18.18		
	7th A Cross Road (W1383)	Cum	1	103.10	1.20	0.15	18.56		
	Regency School Road	Cum	2	13.15	1.20	0.15	4.73		
	7th Cross Road (W1279)								
	RHS	Cum	1	61.70	1.20	0.15	11.11		
	RHS	Cum	1	200.30	1.20	0.15	36.05		
	LHS	Cum	1	147.70	1.20	0.15	26.59		
	4th Main Road (W0832)	Cum	2	41.90	1.20	0.15	15.08		
	Cross Road (W0846)	Cum	2	39.90	1.20	0.15	14.36		
	Venugopal Layout								
	3rd Cross Road (W0868)	Cum	2	122.65	1.20	0.15	44.15		
	5th Cross Road (W0864)	Cum	2	93.05	1.28	0.15	35.80		
	Akashvani Layout								
	Main Road (W1407)	Cum	2	202.45	1.20	0.15	72.88		
	Cross Road (W1409)	Cum	1	33.00	1.20	0.15	5.94		
	1st Cross Road (W0862)	Cum	2	108.20	1.20	0.15	38.95		
	Cross Road (W1405)	Cum	2	17.95	1.20	0.15	6.46		
	Ayyanna Layout								
	3rd Cross Road (W0858)	Cum	2	145.65	1.20	0.15	52.43		
	Muneshwara Layout								
	Cross Road 1	Cum	1	206.30	1.20	0.15	37.13		
	Cross Road 2	Cum	2	38.20	1.20	0.15	13.75		
	Cross Road 3	Cum	2	46.05	1.20	0.15	16.58		
	Cross Road 4	Cum	2	50.30	1.20	0.15	18.11		
	Cross Road 5	Cum	1	32.70	1.20	0.15	5.89		
	Cross Road 6	Cum	1	86.10	1.20	0.15	15.50		
	For Culvert								
	Mahi Layout								
	Main Road								
		Cum	1	6.30	1.60	0.15	1.51		
		Cum	1	8.30	1.60	0.15	1.99		
	1st Main Road (W0555)	Cum	1	6.10	1.60	0.15	1.46		
		Cum	1	7.00	1.60	0.15	1.68		
	Connecting Road 2	Cum	1	5.80	1.60	0.15	1.39		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	AMS Layout								
	4th Main Road (W0852)	Cum	1	7.40	1.60	0.15	1.78		
	7th A Cross Road (W1383)	Cum	1	7.60	1.60	0.15	1.82		
	7th Cross Road (W1279)	Cum	1	7.30	1.60	0.15	1.75		
	5th Main Road (W1391)	Cum	1	4.80	1.60	0.15	1.15		
	3rd Cross Road	Cum	1	7.00	1.60	0.15	1.68		
	2nd Cross Road	Cum	1	7.30	1.60	0.15	1.75		
	4th Main Road (W1391)	Cum	1	7.20	1.90	0.15	2.05		
	6th Main Road (W1391)	Cum	1	4.30	1.90	0.15	1.23		
							0.00		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	7.30	1.60	0.15	1.75		
	Akashvani Layout								
	Main Road (W1407)	Cum	1	7.40	1.60	0.15	1.78		
		Cum	1	7.30	1.60	0.15	1.75		
		Cum	1	9.30	1.60	0.15	2.23		
		Cum	1	6.10	1.60	0.15	1.46		
		Cum	18	6.85	1.90	0.15	35.14		
	Basic rate	5301.69							
	Area weightage 6%	318.1014							
	Sub Total	5619.791					1387.59	5619.79	7797942.00
	Total								
5	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)								
	Drain Bottom Raft								
	Mahi Layout								
	1st Main Road (W0555)	Cum	2	120.85	1.10	0.15	39.88		
	Main Road	Cum	2	264.75	1.10	0.15	87.37		
	Connecting Road 2	Cum	2	11.00	1.10	0.15	3.63		
	Connecting Road 1	Cum	2	24.90	1.10	0.15	8.22		
	2nd Main Road (W0557)	Cum	2	103.20	1.10	0.15	34.06		
	3rd Main road	Cum	2	54.70	1.10	0.15	18.05		
	Cross Road 1	Cum	2	22.00	1.10	0.15	7.26		
	Cross Road 2	Cum	2	25.80	1.10	0.15	8.51		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	2	85.80	1.10	0.15	28.31		
	1st A Main Road (W0688)	Cum	1	64.00	1.10	0.15	10.56		
	AMS Layout								
	8th Cross Road (W1277)	Cum	2	145.40	1.10	0.15	47.98		
	9th Cross Road (W1273)	Cum	2	172.50	1.10	0.15	56.93		
	6th Cross Road (W1385)	Cum	2	104.00	1.10	0.15	34.32		
	5th Cross Road (W1391)	Cum	2	180.05	1.10	0.15	59.42		
	5th Main Road (W0718)	Cum	2	89.40	1.10	0.15	29.50		
	6th Main Road (W0712)	Cum	2	53.95	1.10	0.15	17.80		
	4th Main Road (W0852)								
	LHS	Cum	1	49.30	1.10	0.15	8.13		
	RHS	Cum	1	172.60	1.10	0.15	28.48		
	3rd Cross Road (W1397)	Cum	2	75.50	1.10	0.15	24.92		
	2nd Cross Road (W1401)	Cum	2	84.65	1.10	0.15	27.93		
	1st Cross Road (W1403)	Cum	2	78.70	1.10	0.15	25.97		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	1st Main Road (W0874)	Cum	2	172.20	1.10	0.15	56.83		
	Cross Road	Cum	2	22.05	1.10	0.15	7.28		
	2nd Main Road (W0872)	Cum	2	196.00	1.10	0.15	64.68		
	3rd Cross Road (W1397)	Cum	2	50.50	1.10	0.15	16.67		
	7th A Cross Road (W1383)	Cum	1	103.10	1.10	0.15	17.01		
	Regency School Road (W0848)	Cum	2	13.15	1.10	0.15	4.34		
	7th Cross Road (W1279)								
	RHS	Cum	1	61.70	1.10	0.15	10.18		
	RHS	Cum	1	200.30	1.10	0.15	33.05		
	LHS	Cum	1	147.70	1.10	0.15	24.37		
	4th Main Road (W0832)	Cum	2	41.90	1.10	0.15	13.83		
	Cross Road (W0846)	Cum	2	39.90	1.10	0.15	13.17		
	Venugopal Layout								
	3rd Cross Road (W0868)	Cum	2	122.65	1.10	0.15	40.47		
	5th Cross Road (W0864)	Cum	2	93.05	1.10	0.15	30.71		
	Akashvani Layout								
	Main Road (W1407)	Cum	2	202.45	1.10	0.15	66.81		
	Cross Road (W1409)	Cum	1	33.00	1.10	0.15	5.45		
	1st Cross Road (W0862)	Cum	2	108.20	1.10	0.15	35.71		
	Cross Road (W1405)	Cum	2	17.95	1.10	0.15	5.92		
	Ayyanna Layout								
	3rd Cross Road (W0858)	Cum	2	145.65	1.10	0.15	48.06		
	Muneshwara Layout								
	Cross Road 1	Cum	1	206.30	1.10	0.15	34.04		
	Cross Road 2	Cum	2	38.20	1.10	0.15	12.61		
	Cross Road 3	Cum	2	46.05	1.10	0.15	15.20		
	Cross Road 4	Cum	2	50.30	1.10	0.15	16.60		
	Cross Road 5	Cum	1	32.70	1.10	0.15	5.40		
	Cross Road 6	Cum	1	86.10	1.10	0.15	14.21		
	Drain Side Wall								
	Mahi Layout								
	1st Main Road (W0555)	Cum	4	120.85	0.15	0.60	43.51		
	Main Road	Cum	4	264.75	0.15	0.75	119.14		
	Connecting Road 2	Cum	4	11.00	0.15	0.60	3.96		
	Connecting Road 1	Cum	4	24.90	0.15	0.60	8.96		
	2nd Main Road (W0557)	Cum	4	103.20	0.15	0.60	37.15		
	3rd Main road	Cum	4	54.70	0.15	0.60	19.69		
	Cross Road 1	Cum	4	22.00	0.15	0.60	7.92		
	Cross Road 2	Cum	4	25.80	0.15	0.60	9.29		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	4	85.80	0.15	0.75	38.61		
	1st A Main Road (W0688)	Cum	2	64.00	0.15	0.60	11.52		
	AMS Layout								
	8th Cross Road (W1277)	Cum	4	145.40	0.15	0.60	52.34		
	9th Cross Road (W1273)	Cum	4	172.50	0.15	0.60	62.10		
	6th Cross Road (W1385)	Cum	4	104.00	0.15	0.60	37.44		
	5th Cross Road (W1391)	Cum	4	180.05	0.15	0.60	64.82		
	5th Main Road (W0718)	Cum	4	89.40	0.15	0.60	32.18		
	6th Main Road (W0712)	Cum	4	53.95	0.15	0.60	19.42		
	4th Main Road (W0852)								
	LHS	Cum	2	49.30	0.15	0.60	8.87		
	RHS	Cum	2	172.60	0.15	0.60	31.07		
	3rd Cross Road (W1397)	Cum	4	75.50	0.15	0.60	27.18		
	2nd Cross Road (W1401)	Cum	4	84.65	0.15	0.60	30.47		
	1st Cross Road (W1403)	Cum	4	78.70	0.15	0.60	28.33		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	1st Main Road (W0874)	Cum	4	172.20	0.15	0.75	77.49		
	Cross Road	Cum	4	22.05	0.15	0.60	7.94		
	2nd Main Road (W0872)	Cum	4	196.00	0.15	0.60	70.56		
	3rd Cross Road (W1397)	Cum	4	50.50	0.15	0.60	18.18		
	7th A Cross Road (W1383)	Cum	2	103.10	0.15	0.60	18.56		
	Regency School Road	Cum	4	13.15	0.15	0.60	4.73		
	7th Cross Road (W1279)								
	RHS	Cum	2	61.70	0.15	0.60	11.11		
	RHS	Cum	2	200.30	0.15	0.60	36.05		
	LHS	Cum	2	147.70	0.15	0.60	26.59		
	4th Main Road (W0832)	Cum	4	41.90	0.15	0.60	15.08		
	Cross Road (W0846)	Cum	4	39.90	0.15	0.60	14.36		
	Venugopal Layout								
	3rd Cross Road (W0868)	Cum	4	122.65	0.15	0.60	44.15		
	5th Cross Road (W0864)	Cum	4	93.05	0.15	0.60	33.50		
	Akashvani Layout								
	Main Road (W1407)	Cum	4	202.45	0.15	0.60	72.88		
	Cross Road (W1409)	Cum	2	33.00	0.15	0.60	5.94		
	1st Cross Road (W0862)	Cum	4	108.20	0.15	0.60	38.95		
	Cross Road (W1405)	Cum	4	17.95	0.15	0.60	6.46		
	Ayyanna Layout								
	3rd Cross Road (W0858)	Cum	4	145.65	0.15	0.65	56.75		
	Muneshwara Layout								
	Cross Road 1	Cum	2	206.30	0.15	0.60	37.13		
	Cross Road 2	Cum	4	38.20	0.15	0.60	13.75		
	Cross Road 3	Cum	4	46.05	0.15	0.60	16.58		
	Cross Road 4	Cum	4	50.30	0.15	0.60	18.11		
	Cross Road 5	Cum	2	32.70	0.15	0.60	5.89		
	Cross Road 6	Cum	2	86.10	0.15	0.65	16.76		
					Sub Total		**2561.30**		
	Culvert Bottom Raft								
	Mahi Layout								
	Main Road	Cum	1	5.70	1.40	0.20	1.60		
		Cum	1	6.30	1.40	0.20	1.76		
		Cum	1	8.30	1.40	0.20	2.32		
	1st Main Road (W0555)	Cum	1	6.10	1.40	0.20	1.71		
		Cum	1	7.00	1.40	0.20	1.96		
	Connecting Road 2	Cum	1	5.80	1.40	0.20	1.62		
	AMS Layout								
	4th Main Road (W0852)	Cum	1	7.40	1.40	0.20	2.07		
	7th A Cross Road (W1383)	Cum	1	7.60	1.40	0.20	2.13		
	7th Cross Road (W1279)	Cum	1	7.30	1.40	0.20	2.05		
	5th Main Road (W1391)	Cum	1	4.80	1.40	0.20	1.35		
	3rd Cross Road	Cum	1	7.00	1.40	0.20	1.96		
	2nd Cross Road	Cum	1	7.30	1.40	0.20	2.05		
	4th Main Road (W1391)	Cum	1	7.20	1.70	0.20	2.45		
	6th Main Road (W1391)	Cum	1	4.30	1.70	0.20	1.46		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	7.30	1.40	0.20	2.05		
	Akashvani Layout								
	Main Road (W1407)	Cum	1	7.40	1.40	0.20	2.07		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
		Cum	1	7.30	1.40	0.20	2.04		
		Cum	1	9.30	1.40	0.20	2.60		
		Cum	1	6.10	1.40	0.20	1.71		
		Cum	18	6.85	1.70	0.20	41.92		
	Culvert Side Walls								
	Mahi Layout								
	Main Road	Cum	2	5.70	0.23	0.60	1.57		
		Cum	2	6.30	0.23	0.60	1.74		
		Cum	2	8.30	0.23	0.60	2.29		
	1st Main Road (W0555)	Cum	2	6.10	0.23	0.50	1.40		
		Cum	2	7.00	0.23	0.50	1.61		
	Connecting Road 2	Cum	2	5.80	0.23	0.50	1.33		
	AMS Layout								
	4th Main Road (W0852)	Cum	2	7.40	0.23	0.50	1.70		
	7th A Cross Road (W1383)	Cum	2	7.60	0.23	0.50	1.75		
	7th Cross Road (W1279)	Cum	2	7.30	0.23	0.50	1.68		
	5th Main Road (W1391)	Cum	2	4.80	0.23	0.50	1.11		
	3rd Cross Road	Cum	2	7.00	0.23	0.50	1.61		
	2nd Cross Road	Cum	2	7.30	0.23	0.50	1.68		
	4th Main Road (W1391)	Cum	2	7.20	0.23	0.50	1.66		
	6th Main Road (W1391)	Cum	2	4.30	0.23	0.50	0.99		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	2	7.30	0.23	0.50	1.68		
	Akashvani Layout								
	Main Road (W1407)	Cum	2	7.40	0.23	0.60	2.04		
		Cum	2	7.30	0.23	0.50	1.68		
		Cum	2	9.30	0.23	0.50	2.14		
		Cum	2	6.10	0.23	0.57	1.61		
		Cum	36	6.85	0.23	0.50	28.36		
					Sub Total		**138.52**		
	Basic rate	7002.82							
	Area weightage 6%	420.1692							
	Sub Total	**7422.989**							
	Total						**2699.81**	**7422.99**	**20040679.00**
6	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Drain	Cum	From Item No.05				2561.30		
		kg	Steel assumed 60Kg/Cum of Concrete				153677.79		
		tonne					**153.68**		
	For Culvert	Cum	From Item No.05				138.52		
		kg	Steel assumed 80Kg/Cum of Concrete				11081.28		
		tonne					**11.08**		
	Basic rate	75610							
	Area weightage 6%	4536.6							
	Sub Total	**80146.6**							
	Total						**164.76**	**80146.60**	**13204880.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Provide 80% for missing and Damaged	Sqm	From item no 2				3994.27		
	Mahi Layout								
	1st Main Road (W0555)	Sqm	2	120.85	0.90		217.53		
	Main Road	Sqm	2	264.75	0.90		476.55		
	Connecting Road 2	Sqm	2	11.00	0.90		19.80		
	Connecting Road 1	Sqm	2	24.90	0.90		44.82		
	2nd Main Road (W0557)	Sqm	2	103.20	0.90		185.76		
	3rd Main road	Sqm	2	54.70	0.90		98.46		
	Cross Road 1	Sqm	2	22.00	0.90		39.60		
	Cross Road 2	Sqm	2	25.80	0.90		46.44		
	Muneshwara Layout								
	Cross Road 1	Sqm	1	206.30	0.90		185.67		
	Cross Road 2	Sqm	2	38.20	0.90		68.76		
	Cross Road 4	Sqm	2	50.30	0.90		90.54		
	Cross Road 6	Sqm	1	86.10	0.90		77.49		
	Missing Slabs	Sqm	1069	0.90	0.60		577.53		
	Data rate	**1922**							
	Total						**6123.22**	**1922.00**	**11768833.00**
8	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Culvert Cover Slab								
	Mahi Layout								
	Main Road	Sqm	1	5.70	1.20		6.84		
		Sqm	1	6.30	1.20		7.56		
		Sqm	1	8.30	1.20		9.96		
	1st Main Road (W0555)	Sqm	1	6.10	1.20		7.32		
		Sqm	1	7.00	1.20		8.40		
	Connecting Road 2	Sqm	1	5.80	1.20		6.96		
	AMS Layout								
	4th Main Road (W0852)	Sqm	1	7.40	1.20		8.88		
	7th A Cross Road (W1383)	Sqm	1	7.60	1.20		9.12		
	7th Cross Road (W1279)	Sqm	1	7.30	1.20		8.77		
	5th Main Road (W1391)	Sqm	1	4.80	1.20		5.77		
	3rd Cross Road	Sqm	1	7.00	1.20		8.40		
	2nd Cross Road	Sqm	1	7.30	1.20		8.77		
	4th Main Road (W1391)	Sqm	1	7.20	1.50		10.81		
	6th Main Road (W1391)	Sqm	1	4.30	1.50		6.46		
	AMS Extension								
	2nd A Main Road (W0704A)	Sqm	1	7.30	1.20		8.77		
	Akashvani Layout								
	Main Road (W1407)	Sqm	1	7.40	1.20		8.89		
		Sqm	1	7.30	1.20		8.76		
		Sqm	1	9.30	1.20		11.16		
		Sqm	1	6.10	1.20		7.32		
		Sqm	18	6.85	1.20		147.96		
	Missing Slabs	Sqm	119.2	1.50	0.60		107.32		
	Data rate	**4486**							
	Total						**414.18**	**4486.00**	**1858012.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	PCC For Kerb								
	Mahi Layout								
	1st Main Road (W0555)	Cum	2	110.20	0.20	0.15	6.61		
	Main Road	Cum	2	240.20	0.20	0.15	14.41		
	Connecting Road 2	Cum	2	11.00	0.20	0.15	0.66		
	Connecting Road 1	Cum	2	24.90	0.20	0.15	1.49		
	2nd Main Road (W0557)	Cum	2	100.20	0.20	0.15	6.01		
	3rd Main road	Cum	2	54.70	0.20	0.15	3.28		
	Cross Road 1	Cum	2	22.00	0.20	0.15	1.32		
	Cross Road 2	Cum	2	25.80	0.20	0.15	1.55		
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	2	85.80	0.20	0.15	5.15		
	2nd A Main Road (W1271A)	Cum	2	57.10	0.20	0.15	2.28		
	1st cross Road (W1265)	Cum	2	82.55	0.20	0.15	2.28		
	2nd cross Road (W1269)	Cum	2	79.40	0.20	0.15	2.28		
	3rd cross Road (W1271A)	Cum	2	83.65	0.20	0.15	2.28		
	AMS Layout								
	8th Cross Road (W1277)	Cum	2	137.90	0.20	0.15	8.27		
	9th Cross Road (W1273)	Cum	2	155.00	0.20	0.15	9.30		
	6th Cross Road (W1385)	Cum	2	104.00	0.20	0.15	6.24		
	5th Cross Road (W1391)	Cum	2	180.05	0.20	0.15	10.80		
	5th Main Road (W0718)	Cum	2	89.40	0.20	0.15	5.36		
	6th Main Road (W0712)	Cum	2	53.95	0.20	0.15	3.24		
	4th Main Road (W0852)								
	LHS	Cum	1	49.30	0.20	0.15	1.48		
	RHS	Cum	1	172.60	0.20	0.15	5.18		
	3rd Cross Road (W1397)	Cum	2	75.50	0.20	0.15	4.53		
	2nd Cross Road (W1401)	Cum	2	84.65	0.20	0.15	5.08		
	1st Cross Road (W1403)	Cum	2	78.70	0.20	0.15	4.72		
	1st Main Road (W0874)	Cum	2	172.20	0.20	0.15	10.33		
	Cross Road	Cum	2	22.05	0.20	0.15	1.32		
	2nd Main Road (W0872)	Cum	2	196.00	0.20	0.15	11.76		
	3rd Cross Road (W1397)	Cum	2	50.50	0.20	0.15	3.03		
	7th A Cross Road (W1383)	Cum	1	103.10	0.20	0.15	3.09		
	7th Cross Road (W1279)								
	RHS	Cum	1	61.70	0.20	0.15	1.85		
	RHS	Cum	1	200.30	0.20	0.15	6.01		
	LHS	Cum	1	147.70	0.20	0.15	4.43		
	4th Main Road (W0832)	Cum	2	41.90	0.20	0.15	2.51		
	Cross Road (W0846)	Cum	2	39.90	0.20	0.15	2.39		
	4th Cross Road (W0716)	Cum	2	129.00	0.20	0.15	2.28		
	3rd Cross Road (W0710)	Cum	2	161.70	0.20	0.15	2.28		
	Venugopal Layout								
	3rd Cross Road (W0868)	Cum	2	112.00	0.20	0.15	6.72		
	5th Cross Road (W0864)	Cum	2	93.05	0.20	0.15	5.58		
	Akashvani Layout								
	Main Road (W1407)	Cum	2	202.45	0.20	0.15	12.15		
	Cross Road (W1405)	Cum	2	17.95	0.20	0.15	1.08		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Ayyanna Layout								
	3rd Cross Road (W0858)	Cum	2	140.00	0.20	0.15	8.40		
	Muneshwara Layout								
	Cross Road 1	Cum	1	200.30	0.20	0.15	6.01		
	Cross Road 2	Cum	2	38.20	0.20	0.15	2.29		
	Cross Road 3	Cum	2	46.05	0.20	0.15	2.76		
	Cross Road 4	Cum	2	50.30	0.20	0.15	3.02		
	Cross Road 5	Cum	1	32.70	0.20	0.15	0.98		
	Cross Road 6	Cum	1	86.10	0.20	0.15	2.58		
	Basic rate	5688.26							
	Area weightage 6%	341.2956							
	Sub Total	**6029.556**							
	Total						**159.07**	**6029.56**	**959133.00**
10	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge.(P.No.27,I.No.5.30 of PW,P&IWTD SR 2018-19)								
	Mahi Layout								
	1st Main Road (W0555)	m	2	110.20			220.40		
	Main Road	m	2	240.20			480.40		
	Connecting Road 2	m	2	11.00			22.00		
	Connecting Road 1	m	2	24.90			49.80		
	2nd Main Road (W0557)	m	2	100.20			200.40		
	3rd Main road	m	2	54.70			109.40		
	Cross Road 1	m	2	22.00			44.00		
	Cross Road 2	m	2	25.80			51.60		
	AMS Extension								
	2nd A Main Road (W0704A)	m	2	85.80			171.60		
	2nd A Main Road (W1271A)	m	2	57.10			114.20		
	1st cross Road (W1265)	m	2	82.55			165.10		
	2nd cross Road (W1269)	m	2	79.40			158.80		
	3rd cross Road (W1271A)	m	2	83.65			167.30		
	AMS Layout								
	8th Cross Road (W1277)	m	2	137.90			275.80		
	9th Cross Road (W1273)	m	2	155.00			310.00		
	6th Cross Road (W1385)	m	2	104.00			208.00		
	5th Cross Road (W1391)	m	2	180.05			360.10		
	5th Main Road (W0718)	m	2	89.40			178.80		
	6th Main Road (W0712)	m	2	53.95			107.90		
	4th Main Road (W0852)								
	LHS	m	1	49.30			49.30		
	RHS	m	1	172.60			172.60		
	3rd Cross Road (W1397)	m	2	75.50			151.00		
	2nd Cross Road (W1401)	m	2	84.65			169.30		
	1st Cross Road (W1403)	m	2	78.70			157.40		
	1st Main Road (W0874)	m	2	172.20			344.40		
	Cross Road	m	2	22.05			44.10		
	2nd Main Road (W0872)	m	2	196.00			392.00		
	3rd Cross Road (W1397)	m	2	50.50			101.00		
	7th A Cross Road (W1383)	m	1	103.10			103.10		
	7th Cross Road (W1279)								
	RHS	m	1	61.70			61.70		
	RHS	m	1	200.30			200.30		
	LHS	m	1	147.70			147.70		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	4th Main Road (W0832)	m	2	41.90			83.80		
	Cross Road (W0846)	m	2	39.90			79.80		
	4th Cross Road (W0716)	m	2	129.00			258.00		
	3rd Cross Road (W0710)	m	2	161.70			323.40		
	Venugopal Layout								
	3rd Cross Road (W0868)	m	2	112.00			224.00		
	5th Cross Road (W0864)	m	2	93.05			186.10		
	Akashvani Layout								
	Main Road (W1407)	m	2	202.45			404.90		
	Cross Road (W1405)	m	2	17.95			35.90		
	Ayyanna Layout								
	3rd Cross Road (W0858)	m	2	140.00			280.00		
	Muneshwara Layout								
	Cross Road 1	m	1	200.30			200.30		
	Cross Road 2	m	2	38.20			76.40		
	Cross Road 3	m	2	46.05			92.10		
	Cross Road 4	m	2	50.30			100.60		
	Cross Road 5	m	1	32.70			32.70		
	Cross Road 6	m	1	86.10			86.10		
	Total length						7953.60		
	No of Kerb Stones	Total Length/0.45					17674.67		
	Sub Total	**Nos**					17675.00		
	Basic rate	408							
	Area weightage 6%	24.48							
	Sub Total	**432.48**							
	Total						**17675.00**	**432.48**	**7644084.00**
11	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Item no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	Mahi Layout								
	1st Main Road (W0555)	Sqm	2	110.20		0.35	77.14		
	Main Road	Sqm	2	240.20		0.35	168.14		
	Connecting Road 2	Sqm	2	11.00		0.35	7.70		
	Connecting Road 1	Sqm	2	24.90		0.35	17.43		
	2nd Main Road (W0557)	Sqm	2	100.20		0.35	70.14		
	3rd Main road	Sqm	2	54.70		0.35	38.29		
	Cross Road 1	Sqm	2	22.00		0.35	15.40		
	Cross Road 2	Sqm	2	25.80		0.35	18.06		
	AMS Extension								
	2nd A Main Road (W0704A)	Sqm	2	85.80		0.35	60.06		
	2nd A Main Road (W1271A)	Sqm	2	57.10		0.35	39.97		
	1st cross Road (W1265)	Sqm	2	82.55		0.35	57.79		
	2nd cross Road (W1269)	Sqm	2	79.40		0.35	55.58		
	3rd cross Road (W1271A)	Sqm	2	83.65		0.35	58.56		
	AMS Layout								
	8th Cross Road (W1277)	Sqm	2	137.90		0.35	96.53		
	9th Cross Road (W1273)	Sqm	2	155.00		0.35	108.50		
	6th Cross Road (W1385)	Sqm	2	104.00		0.35	72.80		
	5th Cross Road (W1391)	Sqm	2	180.05		0.35	126.04		
	5th Main Road (W0718)	Sqm	2	89.40		0.35	62.58		
	6th Main Road (W0712)	Sqm	2	53.95		0.35	37.77		
	4th Main Road (W0852)								
	LHS	Sqm	1	49.30		0.35	17.26		
	RHS	Sqm	1	172.60		0.35	60.41		
	3rd Cross Road (W1397)	Sqm	2	75.50		0.35	52.85		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	2nd Cross Road (W1401)	Sqm	2	84.65		0.35	59.26		
	1st Cross Road (W1403)	Sqm	2	78.70		0.35	55.09		
	1st Main Road (W0874)	Sqm	2	172.20		0.35	120.54		
	Cross Road	Sqm	2	22.05		0.35	15.44		
	2nd Main Road (W0872)	Sqm	2	196.00		0.35	137.20		
	3rd Cross Road (W1397)	Sqm	2	50.50		0.35	35.35		
	7th A Cross Road (W1383)	Sqm	1	103.10		0.35	36.09		
	7th Cross Road (W1279)								
	RHS	Sqm	1	61.70		0.35	21.60		
	RHS	Sqm	1	200.30		0.35	70.11		
	LHS	Sqm	1	147.70		0.35	51.70		
	4th Main Road (W0832)	Sqm	2	41.90		0.35	29.33		
	Cross Road (W0846)	Sqm	2	39.90		0.35	27.93		
	4th Cross Road (W0716)	Sqm	2	129.00		0.35	90.30		
	3rd Cross Road (W0710)	Sqm	2	161.70		0.35	113.19		
	Venugopal Layout								
	3rd Cross Road (W0868)	Sqm	2	112.00		0.35	78.40		
	5th Cross Road (W0864)	Sqm	2	93.05		0.35	65.14		
	Akashvani Layout								
	Main Road (W1407)	Sqm	2	202.45		0.35	141.72		
	Cross Road (W1405)	Sqm	2	17.95		0.35	12.57		
	Ayyanna Layout								
	3rd Cross Road (W0858)	Sqm	2	140.00		0.35	98.00		
	Muneshwara Layout								
	Cross Road 1	Sqm	1	200.30		0.35	70.11		
	Cross Road 2	Sqm	2	38.20		0.35	26.74		
	Cross Road 3	Sqm	2	46.05		0.35	32.24		
	Cross Road 4	Sqm	2	50.30		0.35	35.21		
	Cross Road 5	Sqm	1	32.70		0.35	11.45		
	Cross Road 6	Sqm	1	86.10		0.35	30.14		
	Basic rate	80							
	Area weightage 6%	4.8							
	Sub Total	84.8							
	Total						2783.76	84.80	236063.00
12	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead= (I No-19.14,P No-143)								
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	191.80	5.90	0.35	396.07		
	3rd Cross Road (W1271A)	Cum	1	121.20	4.60	0.35	195.13		
	1st Cross Road (W1265)	Cum	1	94.20	5.30	0.35	174.74		
	2nd Cross Road (W1269)	Cum	1	122.60	5.20	0.35	223.13		
	AMS Layout								
	8th Cross Road (W1277)	Cum	1	148.40	6.20	0.35	322.03		
	9th Cross Road (W1273)	Cum	1	173.00	6.30	0.35	381.73		
	Defence Layout								
	2nd Road	Cum	1	223.50	2.50	0.35	195.56		
	5th Road	Cum	1	437.00	2.50	0.35	382.38		
	Lakshmipura Main Road	Cum	1	641.90	11.30	0.35	2538.71		
	Basic rate	41							
	Area weightage 6%	2.46							
	8Km lead=(2*1.28*8)	20.48							

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Sub Total	**63.94**							
	Total						**4809.48**	**63.94**	**307519.00**
13	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)								
	AMS Extension								
	2nd A Main Road (W0704A)	Sqm	1	191.80	5.90		1131.62		
	3rd Cross Road (W1271A)	Sqm	1	121.20	4.60		557.52		
	1st Cross Road (W1265)	Sqm	1	94.20	5.30		499.26		
	2nd Cross Road (W1269)	Sqm	1	122.60	5.20		637.52		
	AMS Layout								
	8th Cross Road (W1277)	Sqm	1	148.40	6.20		920.08		
	9th Cross Road (W1273)	Sqm	1	173.00	6.30		1090.66		
	Defence Layout								
	2nd Road	Sqm	1	223.50	2.50		558.75		
	5th Road	Sqm	1	437.00	2.50		1092.50		
	Lakshmipura Main Road	Sqm	1	641.90	11.30		7253.47		
	Basic rate	6							
	Area weightage 6%	0.36							
	Sub Total	**6.36**							
	Total						**13741.38**	**6.36**	**87396.00**
14	Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete asper specifications Clause 401of MORTH VRevision.(I No-20.5,P No-153)								
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	191.80	5.90	0.15	169.74		
	3rd Cross Road (W1271A)	Cum	1	121.20	4.60	0.15	83.63		
	1st Cross Road (W1265)	Cum	1	94.20	5.30	0.15	74.89		
	2nd Cross Road (W1269)	Cum	1	122.60	5.20	0.15	95.63		
	AMS Layout								
	8th Cross Road (W1277)	Cum	1	148.40	6.20	0.15	138.01		
	9th Cross Road (W1273)	Cum	1	173.00	6.30	0.15	163.60		
	Defence Layout								
	2nd Road	Cum	1	223.50	2.50	0.15	83.81		
	5th Road	Cum	1	437.00	2.50	0.15	163.88		
	Lakshmipura Main Road	Cum	1	641.90	11.30	0.15	1088.02		
	Basic rate	1882							
	Area weightage 6%	112.92							
	Sub Total	**1994.92**							
	Total						**2061.21**	**1994.92**	**4111944.00**
15	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet **mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	191.80	5.90	0.20	226.32		
	3rd Cross Road (W1271A)	Cum	1	121.20	4.60	0.20	111.50		
	1st Cross Road (W1265)	Cum	1	94.20	5.30	0.20	99.85		
	2nd Cross Road (W1269)	Cum	1	122.60	5.20	0.20	127.50		
	AMS Layout								
	8th Cross Road (W1277)	Cum	1	148.40	6.20	0.20	184.02		
	9th Cross Road (W1273)	Cum	1	173.00	6.30	0.20	218.13		
	Defence Layout								
	2nd Road	Cum	1	223.50	2.50	0.20	111.75		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	5th Road	Cum	1	437.00	2.50	0.20	218.50		
	Lakshmipura Main Road	Cum	1	641.90	11.30	0.20	1450.69		
	Basic rate	1888							
	Area weightage 6%	113.28							
	Sub Total	**2001.28**							
	Total						**2748.28**	**2001.28**	**5500070.00**
16	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)								
	AMS Extension								
	2nd A Main Road (W0704A)	Sqm	1	191.80	5.90		1131.62		
	3rd Cross Road (W1271A)	Sqm	1	121.20	4.60		557.52		
	1st Cross Road (W1265)	Sqm	1	94.20	5.30		499.26		
	2nd Cross Road (W1269)	Sqm	1	122.60	5.20		637.52		
	AMS Layout								
	8th Cross Road (W1277)	Sqm	1	148.40	6.20		920.08		
	9th Cross Road (W1273)	Sqm	1	173.00	6.30		1090.66		
	Defence Layout								
	2nd Road	Sqm	1	223.50	2.50		558.75		
	5th Road	Sqm	1	437.00	2.50		1092.50		
	Lakshmipura Main Road	Sqm	1	641.90	11.30		7253.47		
	Basic rate	32							
	Area weightage 6%	1.92							
	Sub Total	**33.92**							
	Total						**13741.38**	**33.92**	**466108.00**
17	KSRRB M500-17. Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)								
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	191.80	5.90	0.05	56.58		
	3rd Cross Road (W1271A)	Cum	1	121.20	4.60	0.05	27.88		
	1st Cross Road (W1265)	Cum	1	94.20	5.30	0.05	24.96		
	2nd Cross Road (W1269)	Cum	1	122.60	5.20	0.05	31.88		
	AMS Layout								
	8th Cross Road (W1277)	Cum	1	148.40	6.20	0.05	46.00		
	9th Cross Road (W1273)	Cum	1	173.00	6.30	0.05	54.53		
	Defence Layout								
	2nd Road	Cum	1	223.50	2.50	0.05	27.94		
	5th Road	Cum	1	437.00	2.50	0.05	54.63		
	Lakshmipura Main Road	Cum	1	641.90	11.30	0.05	362.67		
	Basic rate	6880							
	Area weightage 6%	412.8							
	Sub Total	**7292.8**							
	Total						**687.07**	**7292.80**	**5010657.00**
18	KSRRB 500-7. Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)								
	AMS Extension								
	2nd A Main Road (W0704A)	Sqm	1	191.80	5.90		1131.62		
	3rd Cross Road (W1271A)	Sqm	1	121.20	4.60		557.52		
	1st Cross Road (W1265)	Sqm	1	94.20	5.30		499.26		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	2nd Cross Road (W1269)	Sqm	1	122.60	5.20		637.52		
	AMS Layout								
	8th Cross Road (W1277)	Sqm	1	148.40	6.20		920.08		
	9th Cross Road (W1273)	Sqm	1	173.00	6.30		1090.66		
	Defence Layout								
	2nd Road	Sqm	1	223.50	2.50		558.75		
	5th Road	Sqm	1	437.00	2.50		1092.50		
	Lakshmipura Main Road	Sqm	1	641.90	11.30		7253.47		
	Basic rate	12							
	Area weightage 6%	0.72							
	Sub Total	**12.72**							
	Total						**13741.38**	**12.72**	**174791.00**
19	KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen(P.No-162,I No-21.22.6)								
	AMS Extension								
	2nd A Main Road (W0704A)	Cum	1	191.80	5.90	0.04	45.26		
	3rd Cross Road (W1271A)	Cum	1	121.20	4.60	0.04	22.30		
	1st Cross Road (W1265)	Cum	1	94.20	5.30	0.04	19.97		
	2nd Cross Road (W1269)	Cum	1	122.60	5.20	0.04	25.50		
	AMS Layout								
	8th Cross Road (W1277)	Cum	1	148.40	6.20	0.04	36.80		
	9th Cross Road (W1273)	Cum	1	173.00	6.30	0.04	43.63		
	Defence Layout								
	2nd Road	Cum	1	223.50	2.50	0.04	22.35		
	5th Road	Cum	1	437.00	2.50	0.04	43.70		
	Lakshmipura Main Road (W0578)	Cum	1	641.90	11.30	0.04	290.14		
	Basic rate	7972							
	Area weightage 6%	478.32							
	Sub Total	**8450.32**							
	Total						**549.66**	**8450.32**	**4644763.00**
20	KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
	AMS Extension								
	2nd A Main Road (W0704A)	Sqm	2.5	191.80	0.10		47.95		
	3rd Cross Road (W1271A)	Sqm	2.5	121.20	0.10		30.30		
	1st Cross Road (W1265)	Sqm	2	94.20	0.10		18.84		
	2nd Cross Road (W1269)	Sqm	2	122.60	0.10		24.52		
	AMS Layout								
	8th Cross Road (W1277)	Sqm	2.5	148.40	0.10		37.10		
	9th Cross Road (W1273)	Sqm	2.5	173.00	0.10		45.40		
	Lakshmipura Main Road (W0578)	Sqm	2.5	641.90	0.15		240.71		
	Basic rate	429							
	Area weightage 6%	25.74							
	Sub Total	**454.74**							
	Total						**444.82**	**454.74**	**202278.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
								Grand Total	87495983.00
								DPR Charges (1% of estimated cost)	1000000.00
								Project management And Consultancy Charges(1% of estimated cost)	1000000.00
								GST Charges (12% of estimated cost)	10499518.00
								Miscellenious and rounding	4499.00
								Total Amount	100000000.00
								RUPEES TEN CRORE ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer
BBMP

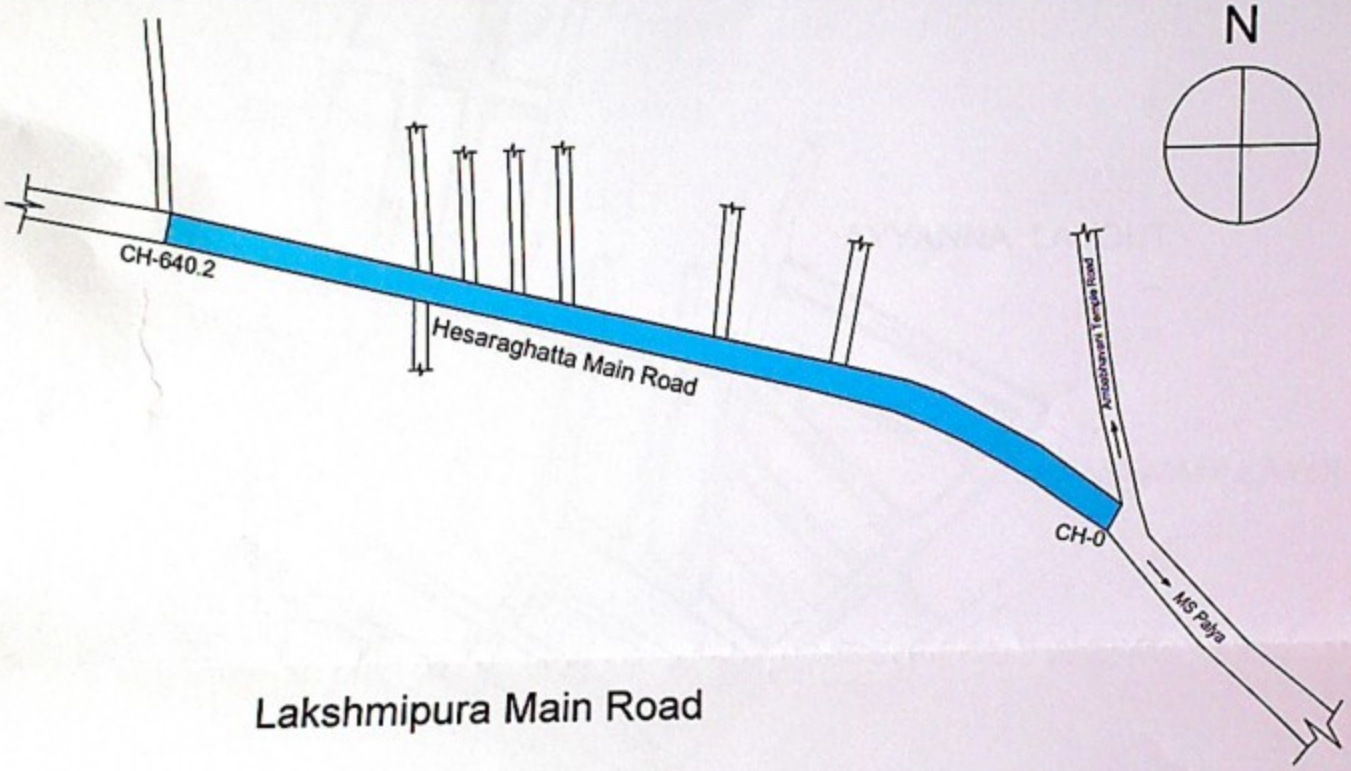
Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

"Technical Sanction
Accorded For Rs 1000 Lakhs only
Head of A/C P-3867
CER NO :29 Dt:26.08.2021

Administrative Sanction for Rs. Rs.100.00 Lakh
Rupees Ten Crore Only
is accorded under head P-3867
Restoration of 110 villages roads
dug up by BWSSB
Registered as CE No. 16 Subject
to conditions contained in enclosed memo
No. BBMP/EE/YNK-01/AS/16/2021-22 Dt: 11/03/2022

Executive Engineer



NOTES:-

1) Do Not Scale The Drawings

2) All Dimensions Are In meters

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Asphalt Road

PROJECT	Restroration and Improvements of Balance roads of AMS layout, Venugopal layout, Akashvani layout, Chikkabettahalli Layout, Mahi Layout and Surrounding areas in Ward no -03, of Yelahanka Satellite Town Sub division(PACKAGE NO -04)
CLIENT	BBMP

RUDRAPRASAD CONSULTANTS

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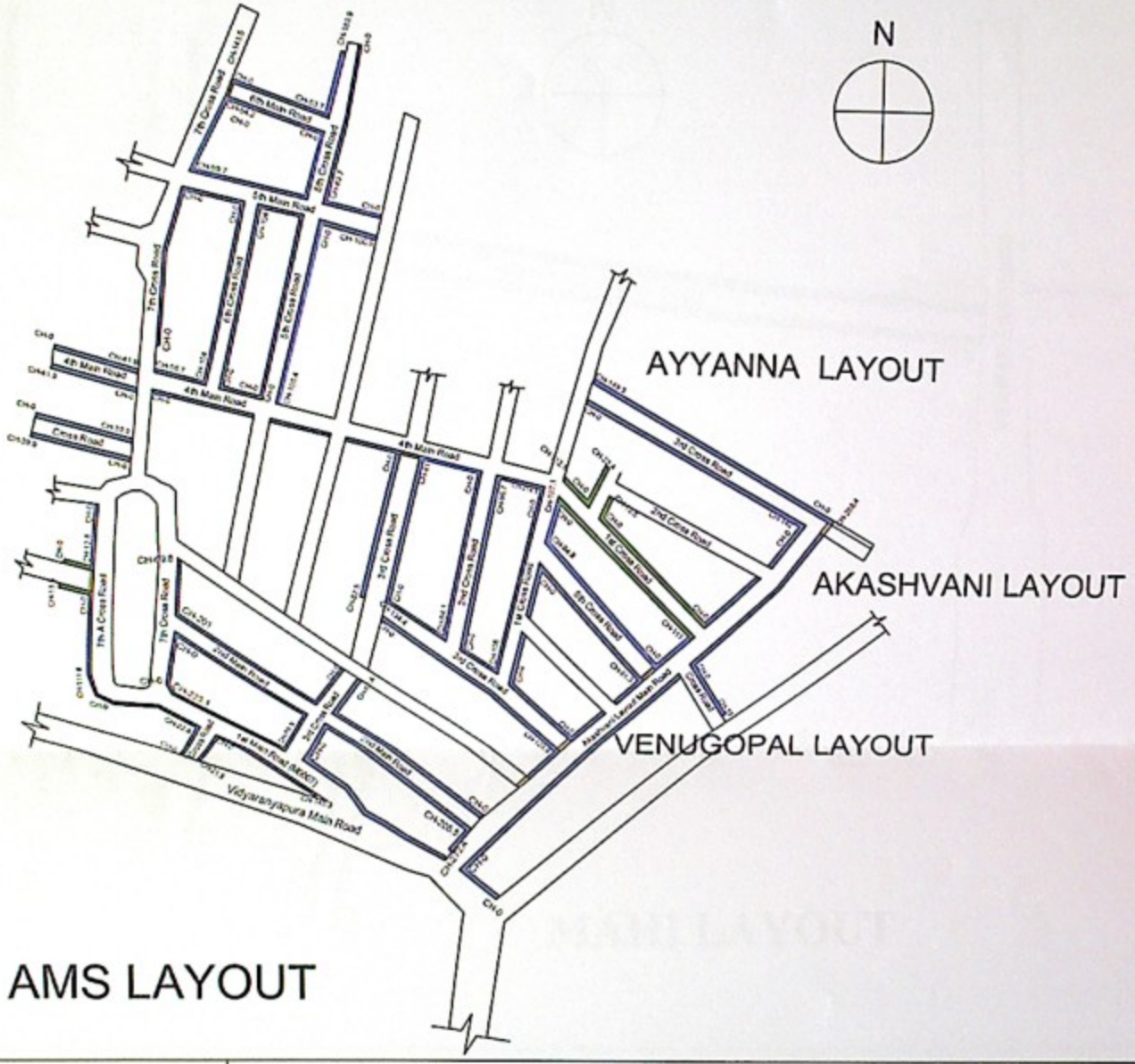
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೬೫



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Not Scale The Drawings

Dimensions Are In meters

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CC Drain | CC Drain with Kerb | CC Culvert

OJECT	Restroration and Improvements of Balance roads of AMS layout, Venugopal layout, Akashvani layout, Chikkabettahalli Layout, Mahi Layout and Surrounding areas in Ward no -03 of Yelahanka Satellite Town Sub division(PACKAGE NO -04)
IENT	BBMP

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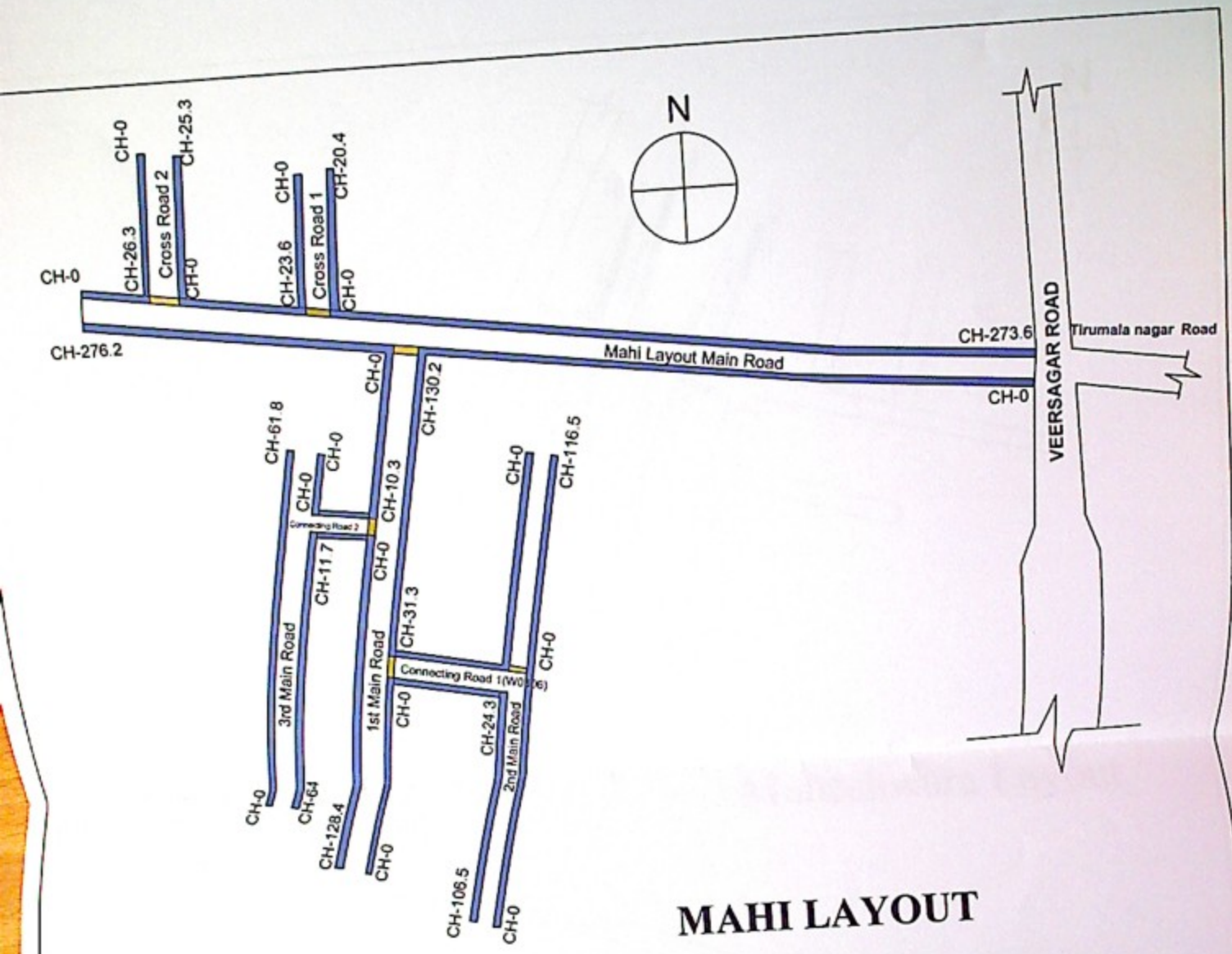
ಬಿ.ಬಿ.ಎಂ.ಪಿ. Yelahanka Suburb Sub-Division



MAHI LAYOUT

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NOTES:-

1) Do Not Scale The Drawings

2) All Dimensions Are In meters

CC Drain with Kerb

CC Culvert

PROJECT	Restroration and Improvements of Balance roads of AMS layout, Venugopal layout, Akashvani layout, Chikkabettahalli Layout, Mahi Layout and Surrounding areas in Ward no -03 of Yelahanka Satellite Town Sub division(PACKAGE NO -04)
CLIENT	BBMP

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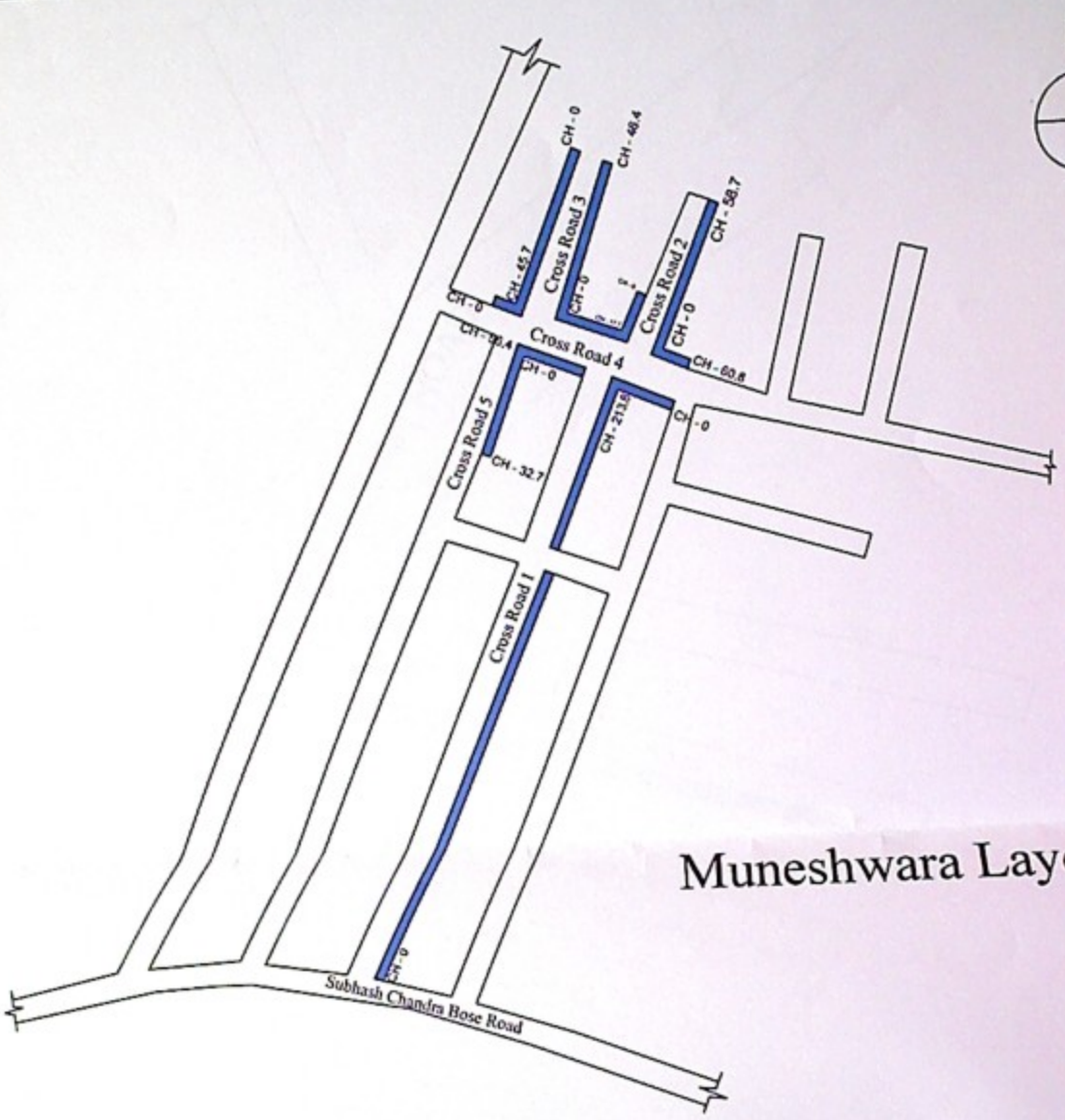

NOTES:-

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CC Drain with Kerb

PROJECT	Restroration and Improvements of Balance roads of AMS layout, Venugopal layout, Akashvani layout, Chikkabettahalli Layout, Mahi Layout and Surrounding areas in Ward no -03. of Yelahanka Satellite Town Sub division(PACKAGE NO -04)
CLIENT	BBMP

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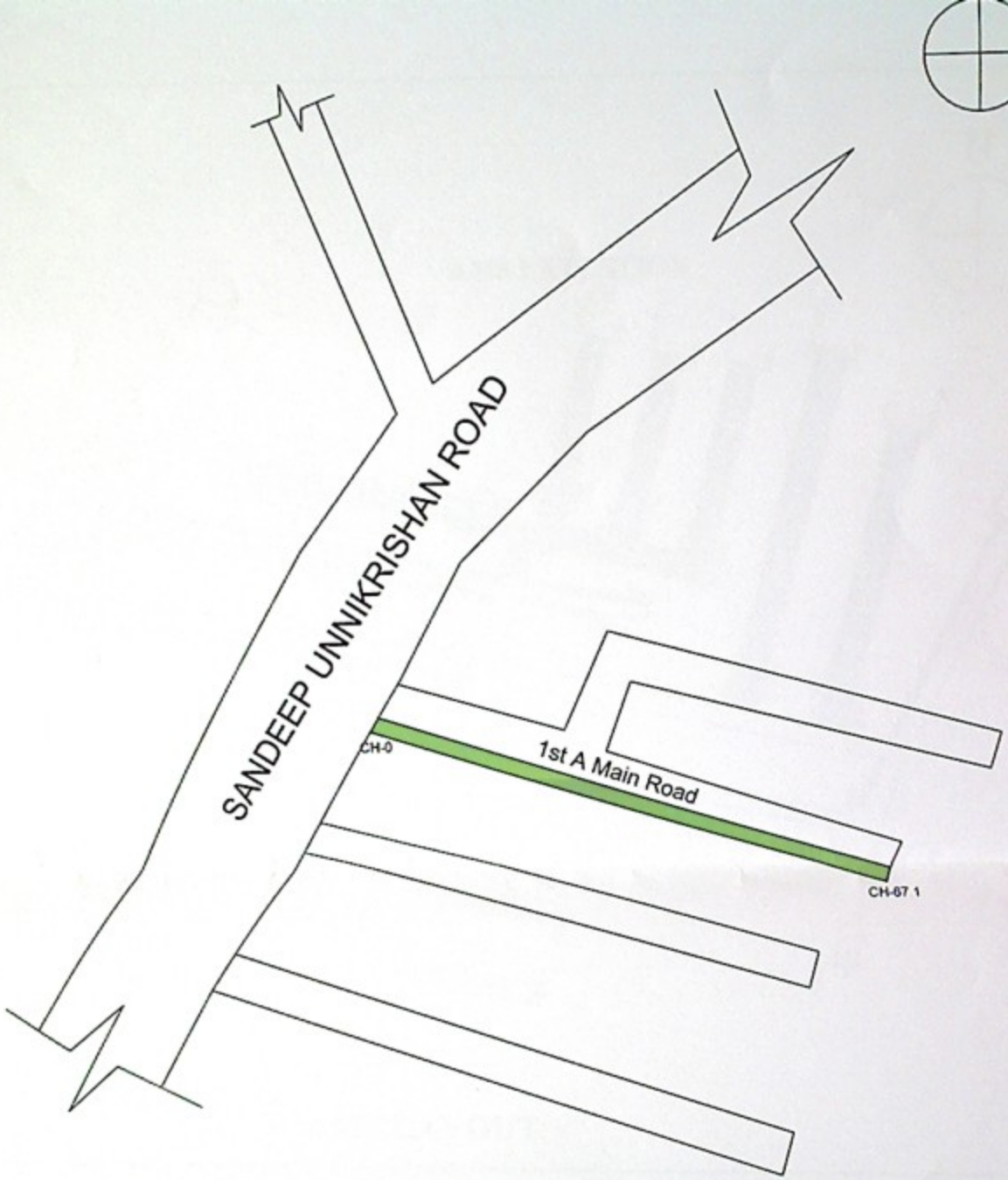
ಆ.ಜ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106



AMS LAYOUT

NOTES:-

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CC Drain

PROJECT	Restroration and Improvements of Balance roads of AMS layout, Venugopal layout, Akashvani layout, Chikkabettahalli Layout, Mahi Layout and Surrounding areas in Ward no -03. of Yelahanka Satellite Town Sub division(PACKAGE NO -04)
CLIENT	BBMP

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
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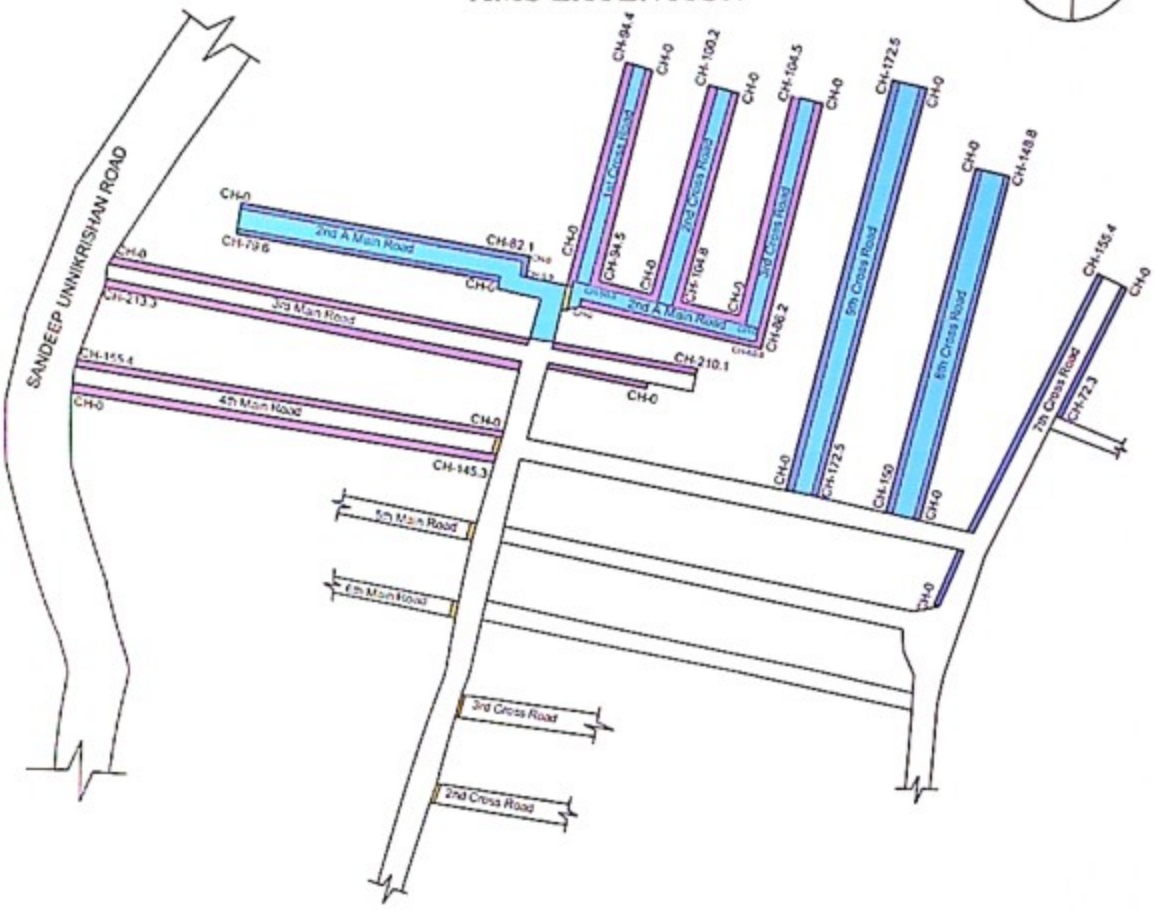
N

AMS EXTENTION



AMS LAYOUT

NOTES:-

1) Do Not Scale The Drawings

2) All Dimensions Are In meters

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CC Drain with Kerb | CC Culvert | Kerb | Wet mix

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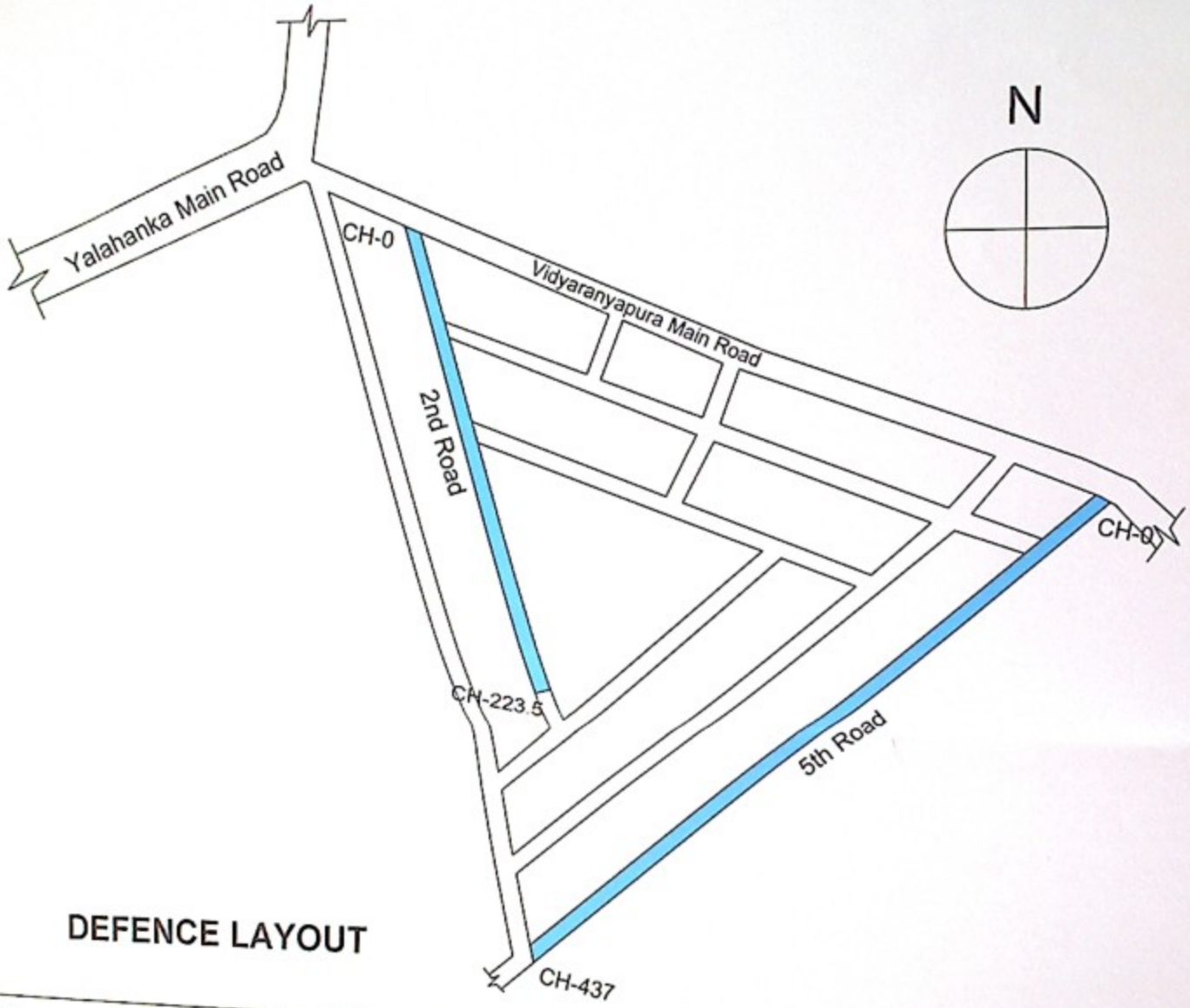
ಆ.ಬ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106



DEFENCE LAYOUT

NOTES:-

1) Do Not Scale The Drawings

2) All Dimensions Are In meters

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Wet mix

PROJECT	Restroration and Improvements of Balance roads of AMS layout, Venugopal layout, Akashvani layout, Chikkabettahalli Layout, Mahi Layout and Surrounding areas in Ward no -03. of Yelahanka Satellite Town Sub division(PACKAGE NO -04)
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